ABSTRACT

A method for transmitting signals in a free space, in which a pair of transmission terminals is disposed. Each of the transmission terminals has a laser transceiver for transmitting and/or receiving laser signals. Before transmitting laser signals, each of the transmission terminals uses an optical alignment component to perform alignment. The laser transceiver and the optical alignment component both transmit and receive laser beams via a single optical component. The sets the laser transceivers of the pair of the transmission terminals to transmit and/or receive laser signals via different wavelengths, uses a visible laser beam sent from the optical alignment component to align the laser transceivers to each other before transmitting or receiving the laser signals and sets each of transmission terminals to transmit and receive the laser signals via a common axial direction.